

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended) A tube having in a radial direction, from inside to the outside, an inner layer comprising a blend of a semicrystalline thermoplastic fluororesin and ~~an a-linear~~ ABC triblock copolymer with three blocks A, B and C being linked together in this order, each block being either a homopolymer or a copolymer obtained from two or more monomers, the A block being linked to the B block and the B block to the C block by means of a covalent bond or of an intermediate molecule linked to each adjacent block via a covalent bond, and wherein:

- the A block is compatible with the fluororesin,
- the B block is incompatible with the fluororesin and is incompatible with the A block, and
- the C block is incompatible with the fluororesin, the A block and the B block.

Claim 2 (currently amended) A tube according to claim 1 which is a bilayer tube and comprises an outer later made of polyamide or of a polyamide/polyolefin blend with a polyamide matrix[[τ]] [[τ]] the inner layer and the polyamide or the polyamide matrix layer being fastened together.

Claim 3 (previously presented) A tube according to claim 1 which is a bilayer tube and comprises an outer layer made of polyamide or of a polyamide/polyolefin blend with a

polyamide matrix, the inner layer and the polyamide or the polyamide matrix layer being fastened together by the addition of a functional acrylic compound to the blend of the inner layer.

Claim 4 (previously presented) A tube according to claim 1 which is a trilayer tube and comprises an outer layer made of polyamide or of a polyamide/polyolefin blend with a polyamide matrix, the inner layer and the polyamide or the polyamide matrix layer being fastened together by an adhesion binder placed between them.

Claim 5 (previously presented) A tube according to claim 1 which is a multilayer tube and comprises a layer made of polyamide or of a polyamide/polyolefin blend with a polyamide matrix, the inner layer and the polyamide or the polyamide matrix layer being fastened together by a succession of intermediate layers, each of which is fastened to its adjacent layers.

Claim 6 (previously presented) A tube according to claim 1 wherein the ABC triblock copolymer contains, as by-products of its synthesis, a BC diblock copolymer and optionally A homopolymer.

Claim 7 (previously presented) A tube according claim 1 wherein the ABC triblock copolymer contains, as by-products of its synthesis, an AB diblock copolymer and optionally A homopolymer.

Claim 8 (previously presented) A tube according to claim 1 wherein the inner layer contains a dispersed electrically conductive carbon black filler in an amount sufficient to give this inner layer a surface resistivity of less than or equal to $10^9 \Omega/\square$.

Claim 9 (currently amended) A tube according to claim 1 wherein the semicrystalline thermoplastic fluoro resin and ABC triblock copolymer blend contains at least 50% by weight of semicrystalline thermoplastic fluoro resin and the balance (to 100%) by weight of the triblock copolymer of number-average molecular mass (M_n) greater than or equal to

20,000 g.mol⁻¹, the percentages being calculated with respect to the total weight of fluoro-resin with the block copolymer without taking into account in these percentages the optional presence of other additives, said triblock copolymer

consisting of:

- 20 to 93 parts by weight of A blocks sequences,
- 5 to 68 parts by weight of B blocks sequences,
- 2 to 65 parts by weight of C blocks based on the triblock copolymer. sequences,

~~the percentages being calculated with respect to the total weight of fluoro-resin with the block copolymer without taking into account in these percentages the optional presence of other additives.~~

Claim 10 (**currently amended**) A tube according to claim 1 wherein the fluoro-resin is

- a homopolymer or copolymer of vinylidene fluoride (VF2) and at least one other fluoromonomer[[,]] ;
- homopolymers and copolymers of trifluoroethylene (VF3); or
- copolymers[[,]] or terpolymers of chlorotrifluoroethylene (CTFE),

tetrafluoroethylene

(TFE) or hexafluoropropylene (HFP) units and/or ethylene, and optionally VF2 and/or VF3 units.

Claim 11 (**previously presented**) A tube according to claim 10 wherein the fluoro-resin is poly(vinylidene fluoride) (PVDF).

Claim 12 (**previously presented**) A tube according to claim 1 wherein the B block has a glass transition temperature $T_{g(B)}$, measured by differential thermal analysis, of -100°C to -50°C.

Claim 13 (**previously presented**) A tube according to claim 1 wherein the B block is a polydiene.

Claim 14 (**previously presented**) A tube according to claim 1, wherein the C block has a glass transition temperature $T_{g(C)}$ or a melting point $T_{m(C)}$ greater than the $T_{g(B)}$ of the B block.

Claim 15 (**currently amended**) ~~A tube according to claim 1,~~ A tube having in a radial direction, from inside to the outside, an inner layer comprising a blend of a semicrystalline thermoplastic fluoro-resin and an a-linear ABC triblock copolymer with three blocks A, B and C being linked together in this order, each block being either a homopolymer or a copolymer obtained from two or more monomers, the A block being linked to the B block and the B block to the C block by means of a covalent bond or of an intermediate molecule linked to each adjacent block via a covalent bond, wherein:

- the A block is compatible with the fluoro-resin,
 - the B block is incompatible with the fluoro-resin and is incompatible with the A block, and
 - the C block is incompatible with the fluoro-resin, the A block and the B block, and
- wherein the A block is a homopolymer or copolymer of an alkyl (alkyl) acrylate.

Claim 16 (**currently amended**) A tube according to claim 15 † wherein the A block is poly(methyl methacrylate) (PMMA).

Claim 17 (**previously presented**) A tube according to claim 16, wherein the PMMA is syndiotactic and its glass transition temperature $T_{g(A)}$, measured by differential thermal analysis, is from + 120°C to + 140°C.

Claim 18 (**currently amended**) A tube according to claim 15 wherein the ABC triblock copolymer is poly(methyl methacrylate-*b*-butadiene-*b*-styrene).

Claim 19 (**currently amended**) A quadrilayer tube according to claim 1 having the layers, from the outside to the inside, of structure:
PA₁/binder₁/fluoropolymer₁/fluoropolymer + ABC triblock + electrically conductive carbon black.

Claim 20 (**currently amended**) A quadrilayer tube according to claim 1, having the following structure: layers, from the outside to the inside,

PA₁[[/]], binder₁[[/]], fluoropolymer + ABC triblock₁[[/]], fluoropolymer + ABC triblock + electrically conductive carbon black.

Claim 21 (**previously presented**) A tube according to claim 10, wherein the fluororesin is a homopolymer or copolymer of VF2 and at least one of chlorotrifluoroethylene (CTFE), hexafluoropropylene (HFP), trifluoroethylene (VF3) or tetrafluoroethylene (TFE).

Claim 22 (**previously presented**) A tube according to claim 13, wherein the B block is polybutadiene, polyisoprene or a random copolymer thereof optionally partially or completely hydrogenated.

Claim 23 (**previously presented**) A tube according to claim 15, wherein the A block is a homopolymer or copolymer of methyl methacrylate (MMA) and/or methyl or ethyl acrylate and/or vinyl acetate.

Claim 24 (**new**) A tube according to claim 15, wherein the fluororesin is

- a homopolymer or copolymer of vinylidene fluoride (VF2) and at least one other fluoromonomer;
 - homopolymers and copolymers of trifluoroethylene (VF3); or
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- copolymers or terpolymers of chlorotrifluoroethylene (CTFE), tetrafluoroethylene (TFE) or hexafluoropropylene (HFP) units and/or ethylene, and optionally VF2 and/or VF3 units.